Amendments to the Specification:

Rewrite the paragraph at page 1, line 5 as follows.

This application claims the ~~priority~~ <u>benefit</u> under 35 U.S.C. 119(e) ~~(1)~~ of ~~copending~~ U.S. Provisional Application No. 60/185,792, filed ~~on February 29, 2000~~ <u>2/29/2000</u>; this application is a continuation-in-part of U.S. Application No. 09/224,401, filed 12/31/1998, now copending, and claims the benefit under 35 U.S.C. 120.

Rewrite equations 1 and 2 at page 9, line 14 as follows.

$$c = a_{21}a - a_{12}b^*$$ Equation 1

$$d = a_{21}b - a_{12}a^*$$ Equation 1

FIGURES 2 and 3 diagrammatically illustrate pertinent portions of exemplary

embodiments of a receiving station according to the invention. For example, the

receiving station could be a Bluetooth master device or a Bluetooth slave device. As

shown in FIGURE 2, the wireless communication signals transmitted by antennas 10 and

5   16 of FIGURE 1 are received at an antenna 20 of a wireless communication interface.

The antenna 20 is coupled to a receive processing section 21 of the wireless

communication interface, which utilizes conventional receive processing techniques to

produce from the received antenna signals a block of information including a first part c

and a second part d, as designated generally at 22. The block at 22 is input to a separator

10   23 which separates the block into its constituent parts c and d. Recalling from FIGURE 1

that blocks 9 and 14 were transmitted via the respective antennas 10 and 16 having the

respective fading parameters α_1 and α_2 associated therewith, the parts c and d in FIGURE

2 can be expressed as follows:

$$c = \alpha_1 a - \alpha_2 b^*$$

15   Equation 1

$$d = \alpha_1 b + \alpha_2 a^*,$$

                                                                                              Equation 2

where the superscript "*" denotes the complex conjugate.

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